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CONFIDENTIAL

September 28, 1955  
5490

Washington, D.C.

Attn:

Dear

DOC	17	REV DATE	8 MAY 1960	BY	018313
ORIG COMP	033	OPI	520	TYPE	01
ORIG CLASS	5	PAGES	1	REV CLASS	C
JUST	22	NEXT REV	2010	AUTH:	HR 79-2

We have been monitoring the several frequencies to be used in the operations. It is found that the two frequencies 3187.5 kc and 3207.5 kc are reasonably clear, whereas the 4032.5 kc appears to be within 2.5 kc of a MARS network station. There is a possibility of some interference from this source. At the same time this particular frequency apparently is the best available. Actually the MARS station is seldom in operation more than an hour or so. Monitoring will continue for a few days more to obtain as much information as possible regarding this band.

During our recent telephone conversation at which time we discussed these frequencies, you mentioned that a letter would be sent authorizing the use of the particular frequencies. We will not use any call or identifying signal, complying with your instructions. However, the radio spectrum is under constant surveillance by the FCC as you know. We will only be transmitting short bursts of pulses and this short burst will make it most difficult for the FCC monitor to locate the source. It is certainly possible that the monitor may locate us and file a complaint. To protect us we must have authorization and some reference to use in the event of a serious complaint. Will you please include in your letter in which you confirm the use of these frequencies some statement of definite authorization. This should include some FCC officer to whom we may refer a local monitor in the event of a serious complaint. Establishing the authorization and reference as outlined will preserve the security and in no way disclose your office to unauthorized persons.

We are ready to proceed with the tests and only await the necessary authorization as requested herein. For this reason we urge that you kindly have the letter sent to us promptly.

With kind regards -

Sincerely yours,

NS/ar

cc: Orig. & 1

Project Engineer

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